

Facility ID: 0448031007 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

[Go to Part II for Emissions Unit B007](#)
[Go to Part II for Emissions Unit B008](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0448031007 Emissions Unit ID: B007 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
B007 - Boiler #1, 21 mmBtu/hr natural gas-fired boiler	OAC rule 3745-31-05(A)(3)	Visible particulate emissions (PE) from the stack shall not exceed 5% opacity as a six minute average.
		0.23 pound of PE per hour, 1.01 tons of PE per year, 0.02 pound of Sulfur Dioxide (SO2) per hour, 0.10 ton of SO2 per year, 0.81 pound of Nitrogen Oxides (NOx) per hour, 3.55 tons of NOx per year, 0.85 pound of Carbon Monoxide (CO) per hour, 3.74 tons of CO per year, 0.37 pound of Volatile Organic Compounds (VOC) per hour, and 1.62 tons of VOC per year
	OAC rule 3745-17-07(A)	See section A.2.a
	OAC rule 3745-17-10(B)(1)	See section A.2.a
	OAC rule 3745-18-06 (A)	See section A.2.a
	OAC rule 3745-21-07(B)	See section A.2.b
	OAC rule 3745-23-06(B)	See section A.2.c
	40 CFR Part 60, Subpart Dc	See section A.2.d

2. Additional Terms and Conditions

- (a) The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
 The permittee shall satisfy the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-07(B) by complying with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit to install.
 The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3).
 The permittee shall comply with the applicable provisions of 40 CFR Part 60, Subpart Dc.

B. Operational Restrictions

1. The permittee shall burn only natural gas in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall properly install, operate and maintain equipment to monitor the total quantity of natural gas (in cubic feet) burned while this emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manual(s).

3. The permittee shall maintain monthly records of the total quantity of natural gas (in cubic feet per month) burned in this emissions unit.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall submit to the Toledo Division of Environmental Services notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided in 40 CFR 60.7. The notification shall include the design heat input capacity of this emissions unit and identification of fuels to be combusted in this emissions unit.

E. Testing Requirements

1. Compliance with the emission limitation(s) in this permit shall be determined in accordance with the following method(s):

Emissions Limitation:

Visible particulate emissions from the stack shall not exceed 5% as a six minute average.

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon visible particulate emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1). Alternative U.S. EPA approved test methods may be used with prior approval from Ohio EPA.

Emission Limitation:

0.02 pound of SO₂ per hour

Applicable Compliance Method:

Compliance shall be determined through calculations based on manufacturer's emission data as follows: multiply the emission factor of 0.001 pound of SO₂ per million Btu by the maximum firing rate of 21 mmBtu/hr.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 6 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from Ohio EPA.

Emission Limitation:

0.10 ton of SO₂ per year

Applicable Compliance Method:

The annual emission limitation is based on the allowable hourly emission limitation multiplied by 8,760 hrs/yr divided by 2,000 lbs/ton. Therefore, if compliance is shown with the hourly emission limitation, compliance is also shown with the annual emission limitation.

Emission Limitation:

0.37 pound of VOC per hour

Applicable Compliance Method:

Compliance shall be determined through calculations based on manufacturer's emission data as follows: multiply the emission factor of 0.016 pound of VOC per million Btu by the maximum firing rate of 21 mmBtu/hr.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 25 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-21-10. Alternative U.S. EPA approved test methods may be used with prior approval from Ohio EPA.

Emission Limitation:

1.62 tons VOC per year

The annual emission limitation is based on the allowable hourly emission limitation multiplied by 8,760 hrs/yr divided by 2,000 lbs/ton. Therefore, if compliance is shown with the hourly emission limitation, compliance is also shown with the annual emission limitation.

Emission Limitation:

0.23 pound of PE per hour

Applicable Compliance Method:

Compliance shall be determined through calculations based on manufacturer's emission data as follows: multiply the emission factor of 0.01 pound of PE per million Btu by the maximum firing rate of 21 mmBtu/hr.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Method 5 of 40 CFR Part 60 Appendix B using the methods and procedures specified in OAC rule 3745-17-10. Alternative U.S. EPA approved test methods may be used with prior approval from Ohio EPA.

Emission Limitation:

1.01 tons of PE per year

Applicable Compliance Method:

The annual emission limitation is based on the allowable hourly emission limitation multiplied by 8,760 hrs/yr divided by 2,000 lbs/ton. Therefore, if compliance is shown with the hourly emission limitation, compliance is

also shown with the annual emission limitation.

Emission Limitation:

0.85 pound of CO per hour

Applicable Compliance Method:

Compliance shall be determined through calculations based on manufacturer's emission data as follows: multiply the emission factor of 0.037 pound of CO per million Btu by the maximum firing rate of 21 mmBtu/hr.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 10 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from Ohio EPA.

Emission Limitation:

3.74 tons of CO per year

Applicable Compliance Method:

The annual emission limitation is based on the allowable hourly emission limitation multiplied by 8,760 hrs/yr divided by 2,000 lbs/ton. Therefore, if compliance is shown with the hourly emission limitation, compliance is also shown with the annual emission limitation.

Emission Limitation:

0.81 pound of NOx per hour

Applicable Compliance Method:

Compliance shall be determined through calculations based on manufacturer's emission data as follows: multiply the emission factor of 0.035 pound of NOx per million Btu by the maximum firing rate of 21 mmBtu/hr.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 7 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from Ohio EPA.

Emission Limitation:

3.55 tons of NOx per year

Applicable Compliance Method:

The annual emission limitation is based on the allowable hourly emission limitation multiplied by 8,760 hrs/yr divided by 2,000 lbs/ton. Therefore, if compliance is shown with the hourly emission limitation, compliance is also shown with the annual emission limitation.

F. Miscellaneous Requirements

- 1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0448031007 Emissions Unit ID: B008 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

- 1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
- 2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
B008 - Boiler #2, 21 mmBtu/hr natural gas-fired boiler	OAC rule 3745-31-05(A)(3)	Visible particulate emissions (PE) from the stack shall not exceed 5% opacity as a six minute average. 0.23 pound of PE per hour,

1.01 tons of PE per year,
 0.02 pound of Sulfur Dioxide (SO₂) per hour,
 0.10 ton of SO₂ per year,
 0.81 pound of Nitrogen Oxides (NO_x) per hour,
 3.55 tons of NO_x per year,
 0.85 pound of Carbon Monoxide (CO) per hour,
 3.74 tons of CO per year,
 0.37 pound of Volatile Organic Compounds (VOC) per hour, and
 1.62 tons of VOC per year

OAC rule 3745-17-07(A) See section A.2.a
 OAC rule 3745-17-10(B)(1) See section A.2.a
 OAC rule 3745-18-06 (A) See section A.2.a
 OAC rule 3745-21-07(B) See section A.2.b
 OAC rule 3745-23-06(B) See section A.2.c
 40 CFR Part 60, Subpart Dc See section A.2.d

2. Additional Terms and Conditions

- (a) The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
 The permittee shall satisfy the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-07(B) by complying with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit to install.
 The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3).
 The permittee shall comply with the applicable provisions of 40 CFR Part 60, Subpart Dc.

B. Operational Restrictions

- 1. The permittee shall burn only natural gas in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

- 1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
- 2. The permittee shall properly install, operate and maintain equipment to monitor the total quantity of natural gas (in cubic feet) burned while this emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manual(s).
- 3. The permittee shall maintain monthly records of the total quantity of natural gas (in cubic feet per month) burned in this emissions unit.

D. Reporting Requirements

- 1. The permittee shall submit deviation reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
- 2. The permittee shall submit to the Toledo Division of Environmental Services notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided in 40 CFR 60.7. The notification shall include the design heat input capacity of this emissions unit and identification of fuels to be combusted in this emissions unit.

E. Testing Requirements

- 1. Compliance with the emission limitation(s) in this permit shall be determined in accordance with the following method(s):
 Emissions Limitation:

Visible particulate emissions from the stack shall not exceed 5% as a six minute average.

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon visible particulate emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1). Alternative U.S. EPA approved test methods may be used with prior approval from Ohio EPA.

Emission Limitation:

0.02 pound of SO₂ per hour

Applicable Compliance Method:

Compliance shall be determined through calculations based on manufacturer's emission data as follows: multiply the emission factor of 0.001 pound of SO₂ per million Btu by the maximum firing rate of 21 mmBtu/hr.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 6 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from Ohio EPA.

Emission Limitation:

0.10 ton of SO₂ per year

Applicable Compliance Method;

The annual emission limitation is based on the allowable hourly emission limitation multiplied by 8,760 hrs/yr divided by 2,000 lbs/ton. Therefore, if compliance is shown with the hourly emission limitation, compliance is also shown with the annual emission limitation.

Emission Limitation:

0.37 pound of VOC per hour

Applicable Compliance Method:

Compliance shall be determined through calculations based on manufacturer's emission data as follows: multiply the emission factor of 0.016 pound of VOC per million Btu by the maximum firing rate of 21 mmBtu/hr.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 25 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-21-10. Alternative U.S. EPA approved test methods may be used with prior approval from Ohio EPA.

Emission Limitation:

1.62 tons VOC per year

The annual emission limitation is based on the allowable hourly emission limitation multiplied by 8,760 hrs/yr divided by 2,000 lbs/ton. Therefore, if compliance is shown with the hourly emission limitation, compliance is also shown with the annual emission limitation.

Emission Limitation:

0.23 pound of PE per hour

Applicable Compliance Method:

Compliance shall be determined through calculations based on manufacturer's emission data as follows: multiply the emission factor of 0.01 pound of PE per million Btu by the maximum firing rate of 21 mmBtu/hr.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Method 5 of 40 CFR Part 60 Appendix B using the methods and procedures specified in OAC rule 3745-17-10. Alternative U.S. EPA approved test methods may be used with prior approval from Ohio EPA.

Emission Limitation:

1.01 tons of PE per year

Applicable Compliance Method:

The annual emission limitation is based on the allowable hourly emission limitation multiplied by 8,760 hrs/yr divided by 2,000 lbs/ton. Therefore, if compliance is shown with the hourly emission limitation, compliance is also shown with the annual emission limitation.

Emission Limitation:

0.85 pound of CO per hour

Applicable Compliance Method:

Compliance shall be determined through calculations based on manufacturer's emission data as follows: multiply the emission factor of 0.037 pound of CO per million Btu by the maximum firing rate of 21 mmBtu/hr.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 10 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from Ohio EPA.

Emission Limitation:

3.74 tons of CO per year

Applicable Compliance Method:

The annual emission limitation is based on the allowable hourly emission limitation multiplied by 8,760 hrs/yr divided by 2,000 lbs/ton. Therefore, if compliance is shown with the hourly emission limitation, compliance is also shown with the annual emission limitation.

Emission Limitation:

0.81 pound of NOx per hour

Applicable Compliance Method:

Compliance shall be determined through calculations based on manufacturer's emission data as follows: multiply the emission factor of 0.035 pound of NOx per million Btu by the maximum firing rate of 21 mmBtu/hr.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 7 of 40 CFR Part 60 Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from Ohio EPA.

Emission Limitation:

3.55 tons of NOx per year

Applicable Compliance Method:

The annual emission limitation is based on the allowable hourly emission limitation multiplied by 8,760 hrs/yr divided by 2,000 lbs/ton. Therefore, if compliance is shown with the hourly emission limitation, compliance is also shown with the annual emission limitation.

F. **Miscellaneous Requirements**

1. None